

How to change: VW Touran 1T3 rear coil springs – replacement guide






VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
VW TOURAN (1T3) 1.6 TDI

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – VW TOURAN 1T3. TOOLS YOU MIGHT NEED:



- Wire brush
- Copper grease
- WD-40 spray
- Combination spanner #16
- Combination spanner #21
- XZN socket bit # 6
- Strut spring compressor
- Torque wrench
- Hydraulic transmission jack
- Wheel impact socket #17
- Crow bar
- Wheel chock

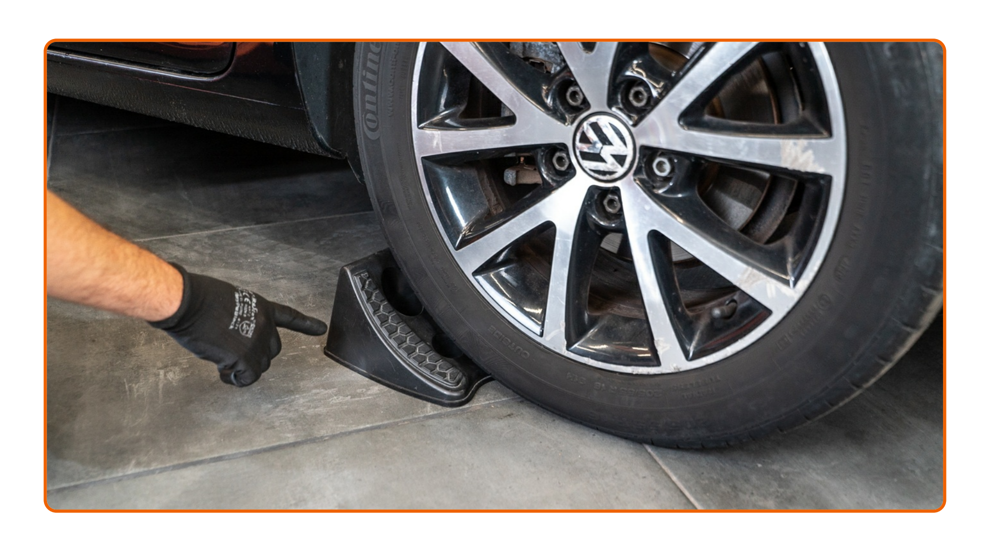


Replacement: coil springs – VW Touran 1T3. Professionals recommend:

- Both coil springs of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the rear suspension.
- All work should be done with the engine stopped.

REPLACEMENT: COIL SPRINGS – VW TOURAN 1T3. USE THE FOLLOWING PROCEDURE:

1



Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #17.

3



Raise the rear of the car and secure on supports.

4

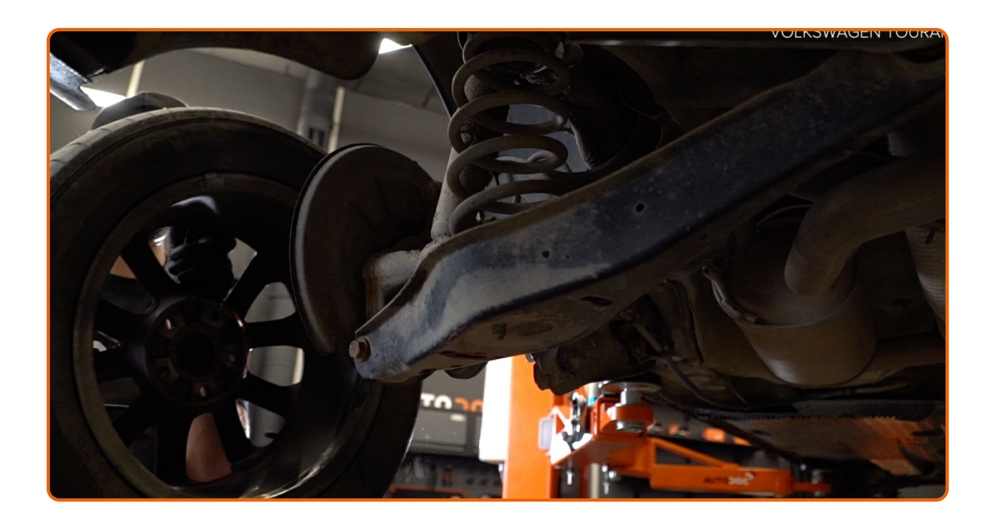


Unscrew the wheel bolts.

AUTODOC recommends:

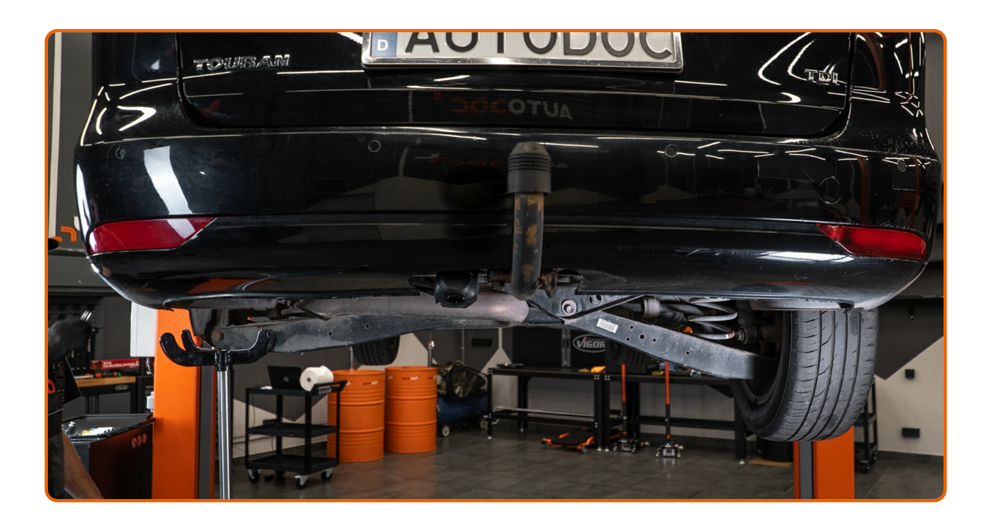
- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW Touran 1T3

5



Remove the wheel.

6



Support the arm. Use a hydraulic transmission jack.

7



Unscrew the lower fastener of the shock absorber. Use a combination spanner #21.

AUTODOC recommends:

- VW Touran 1T3 – To avoid injury, hold the shock absorber while unscrewing the fastening bolts.

8



Treat all joints of the stabiliser link. Use WD-40 spray.

9



Unscrew the stabilizer rod fasteners. Use a combination spanner #16. Use XZN #6.

10

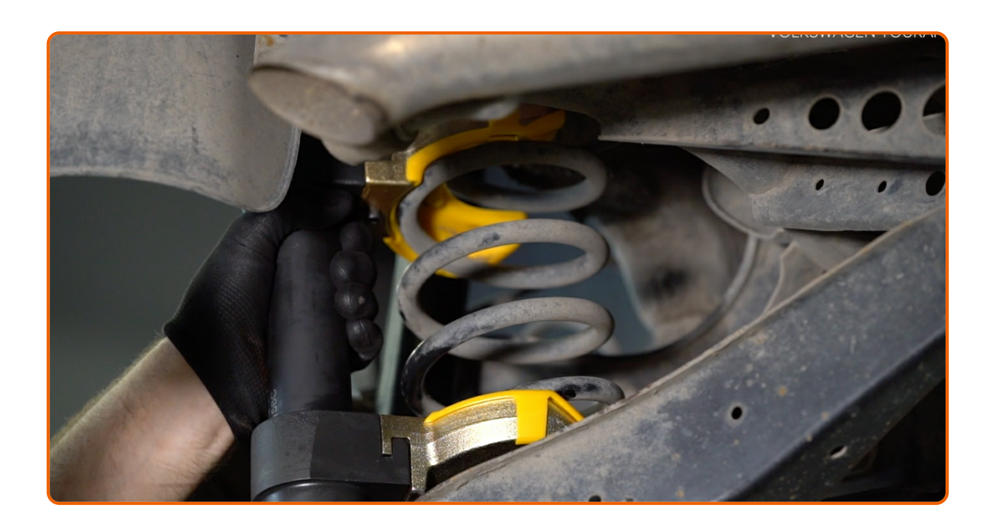


Remove the support from under the rear arm.

AUTODOC recommends:

- Replacement: coil springs – VW Touran 1T3. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

11



Install the coil spring compressor on the coil spring.



Replacement: coil springs – VW Touran 1T3. AUTODOC experts recommend:

- Use adapters and jaws of the appropriate size.
- The sping coils should be securely fixed with the coil spring compressor.
- Use high quality coil spring compressors.

12

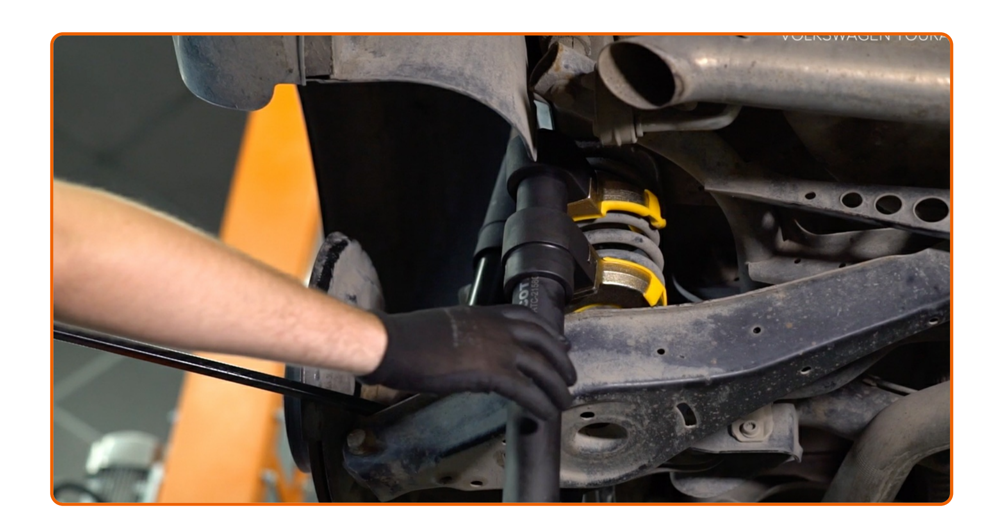


Compress the spring by turning the lead screw of the coil spring compressor. Use a combination spanner.

Replacement: coil springs – VW Touran 1T3. Tip:

- The wrench size may vary depending on the spring compressor manufacturer.
- Compress the coil spring compressor until there is enough room to remove the spring. Do not compress the tool to the full: the spring coils must not touch each other.
- Be careful. The compressed spring is powerful and in case of disrupting ties, straightening, it can cause injury.

13



Pull down the suspension control arm. Use a crowbar.

14

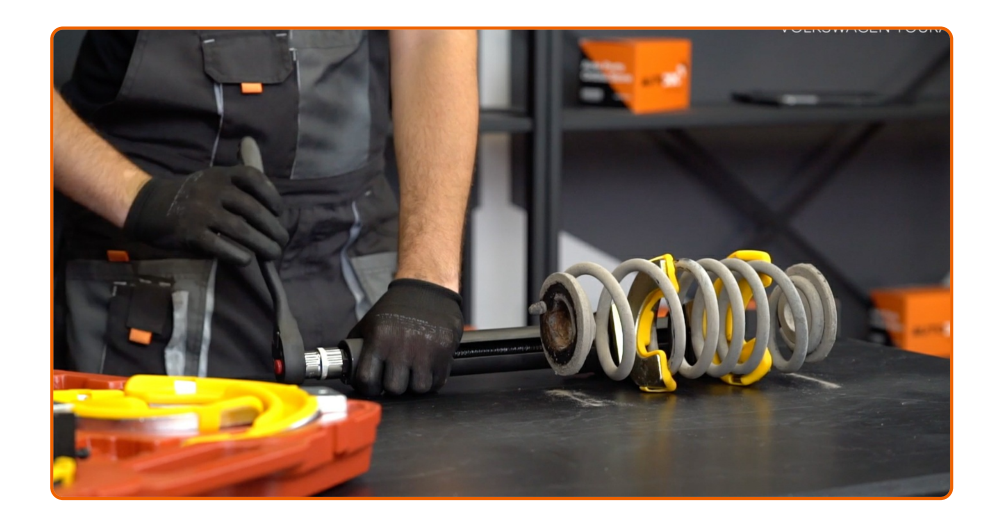


Remove the coil spring together with the coil spring compressor.

Replacement: coil springs – VW Touran 1T3. AUTODOC recommends:

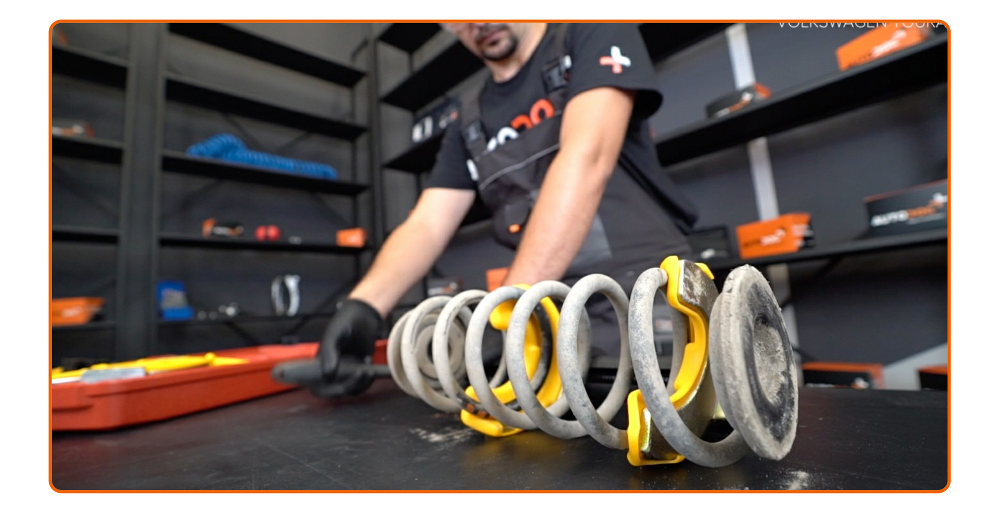
- While the spring is compressed, do not do any operations on it.

15



Secure the coil spring compressor on a work bench.

16



Decompress the spring.

17



Take out the spring.

18

Clean the coil spring mounting seats.

19



Inspect the rubber mounts of the suspension spring. Replace if necessary.

20

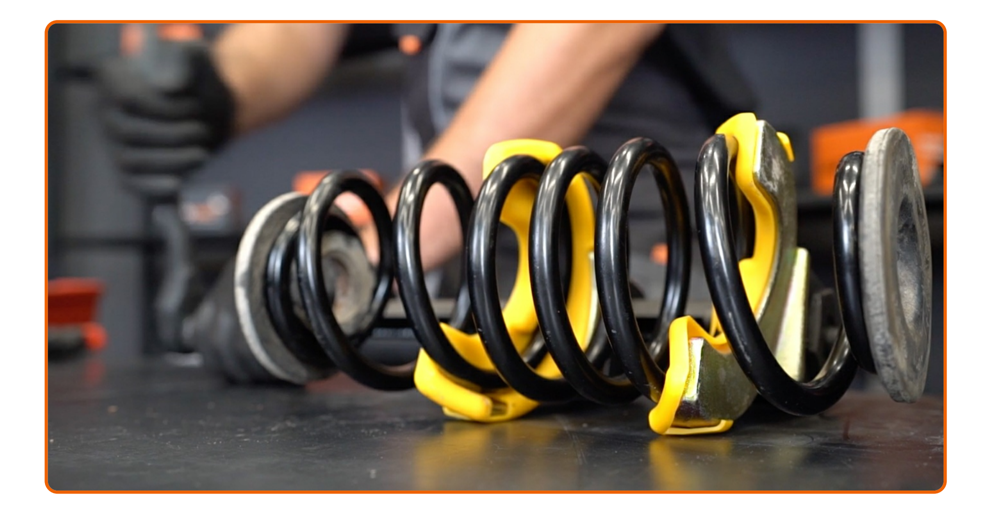


Install a new coil spring on the coil spring compressor.

Replacement: coil springs – VW Touran 1T3. Tip from AUTODOC:

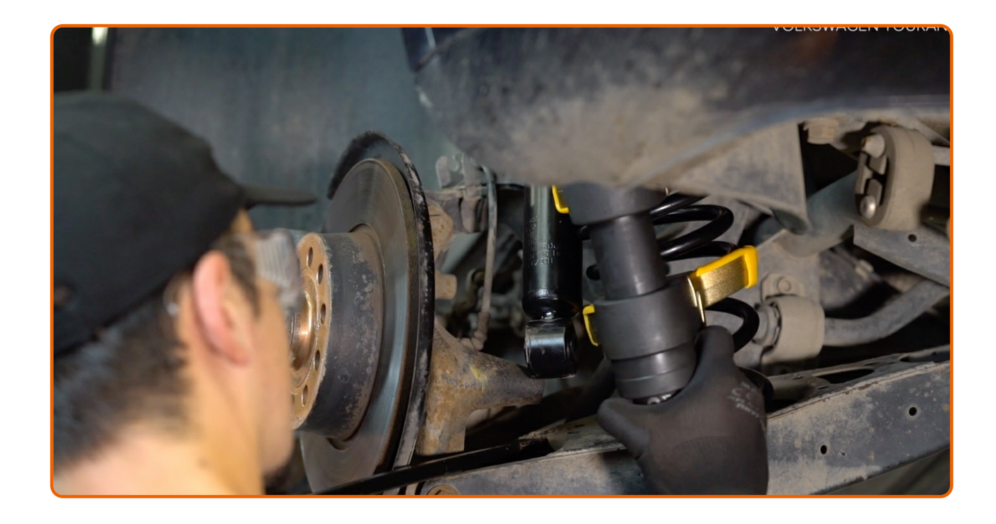
- Use adapters and jaws of the appropriate size.

21



Compress the spring.

22



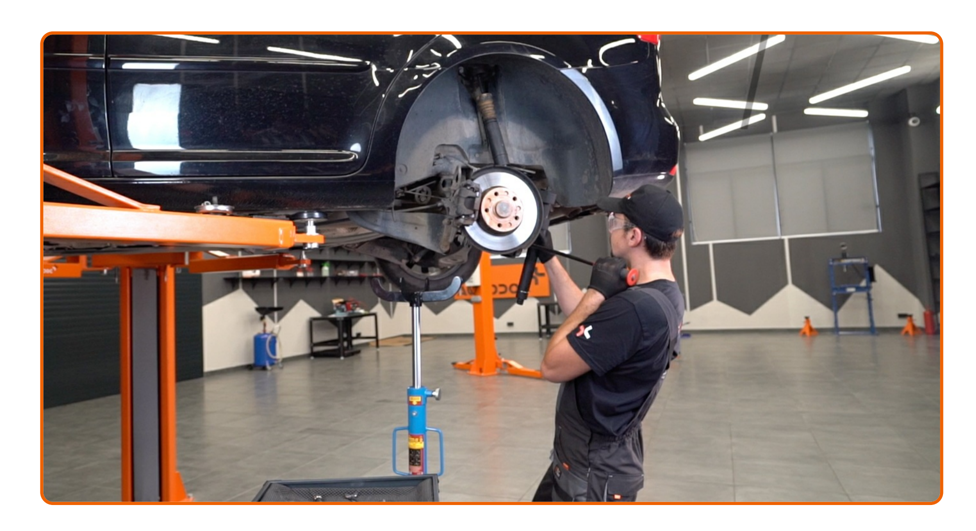
Install the coil spring together with the rubber mounts into the mounting seats.

23



Insert the cylinder-shaped projection of the lower mount into the hole in the lower wishbone arm.

24



Release the coil spring by turning the lead screw of the coil spring compressor. Use a combination spanner.

Please note!

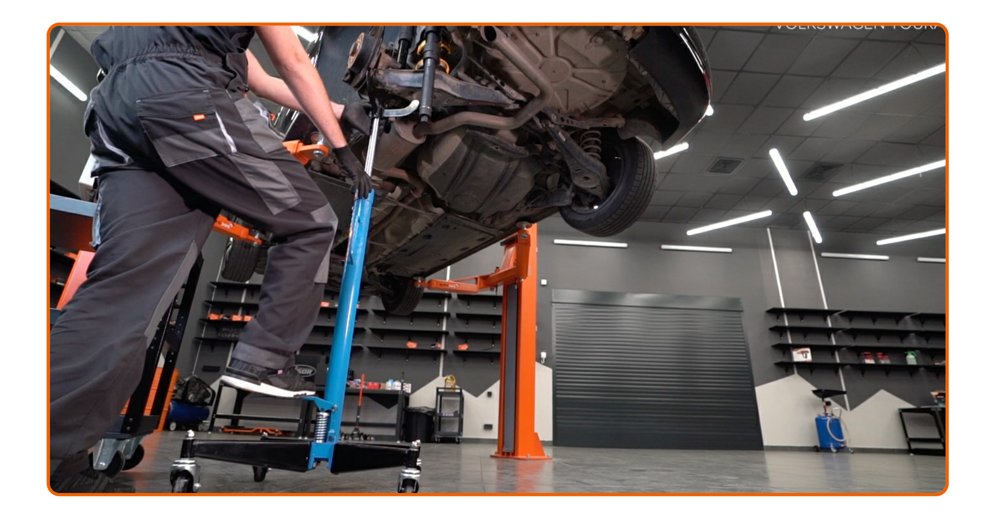
- The wrench size may vary depending on the spring compressor manufacturer.
- Make sure that the coil spring is correctly positioned in its mounting seats.

25



Remove the coil spring compressor.

26



Support the arm. Use a hydraulic transmission jack.

27



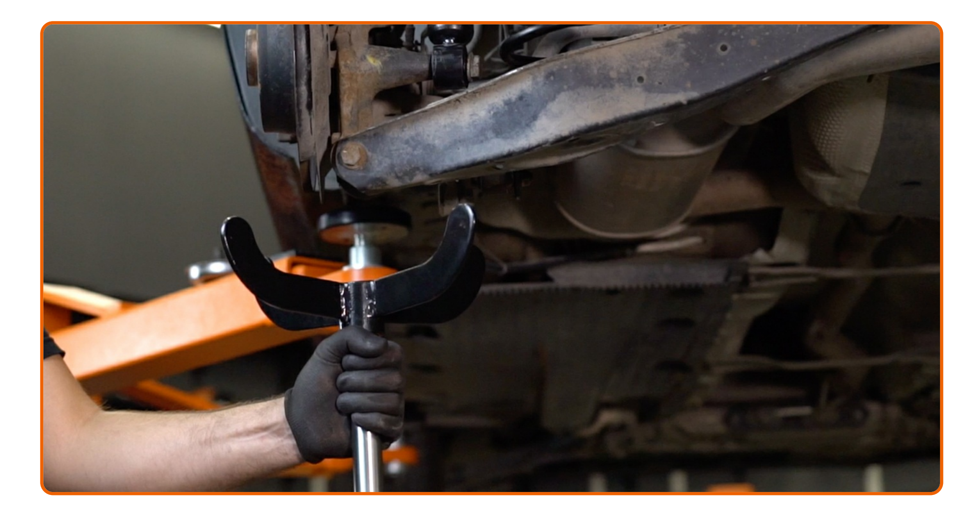
Tighten the lower fastener of the shock absorber. Use a combination spanner #21. Use a torque wrench. Tighten it to 180 Nm torque.

28



Tighten the stabiliser link fastener. Use a combination spanner #16. Use XZN #6. Use a torque wrench. Tighten it to 45 Nm torque.

29



Remove the support from under the rear arm.

AUTODOC recommends:

- Replacement: coil springs – VW Touran 1T3. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

30



Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.

31



Install the wheel.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW Touran 1T3

32



Screw in the wheel bolts. Use wheel impact socket #17.

33



Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.

34



Remove the jacks and chocks.

DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

NO



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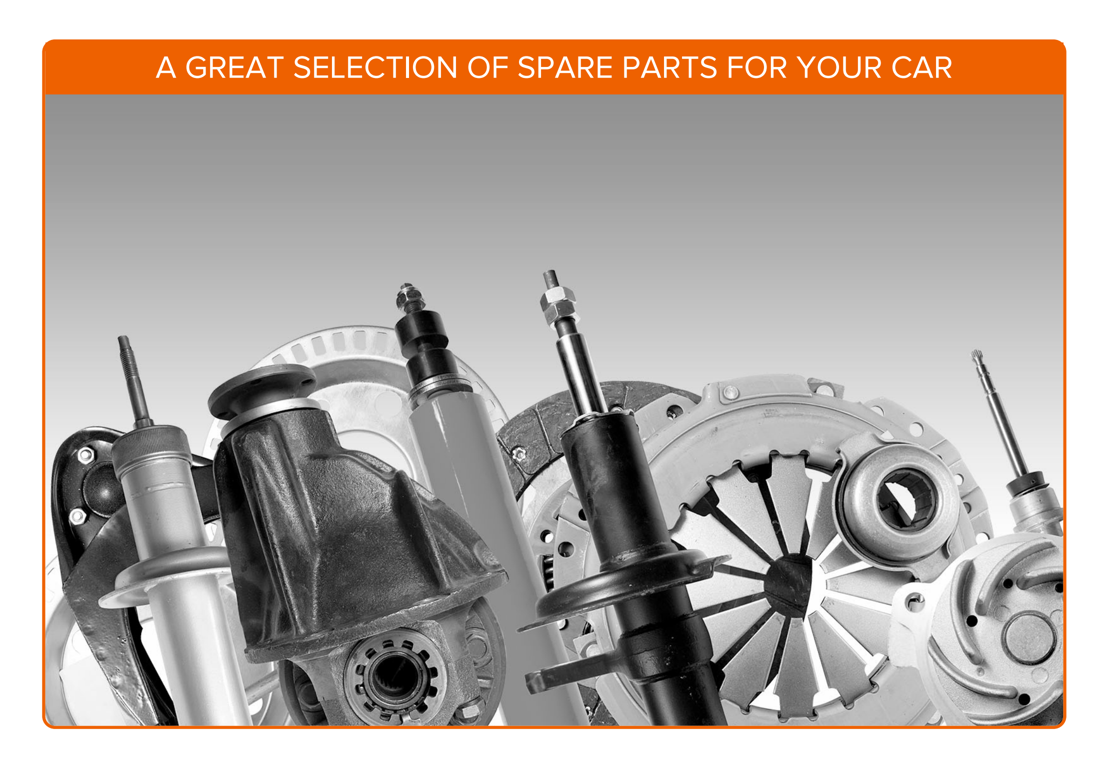


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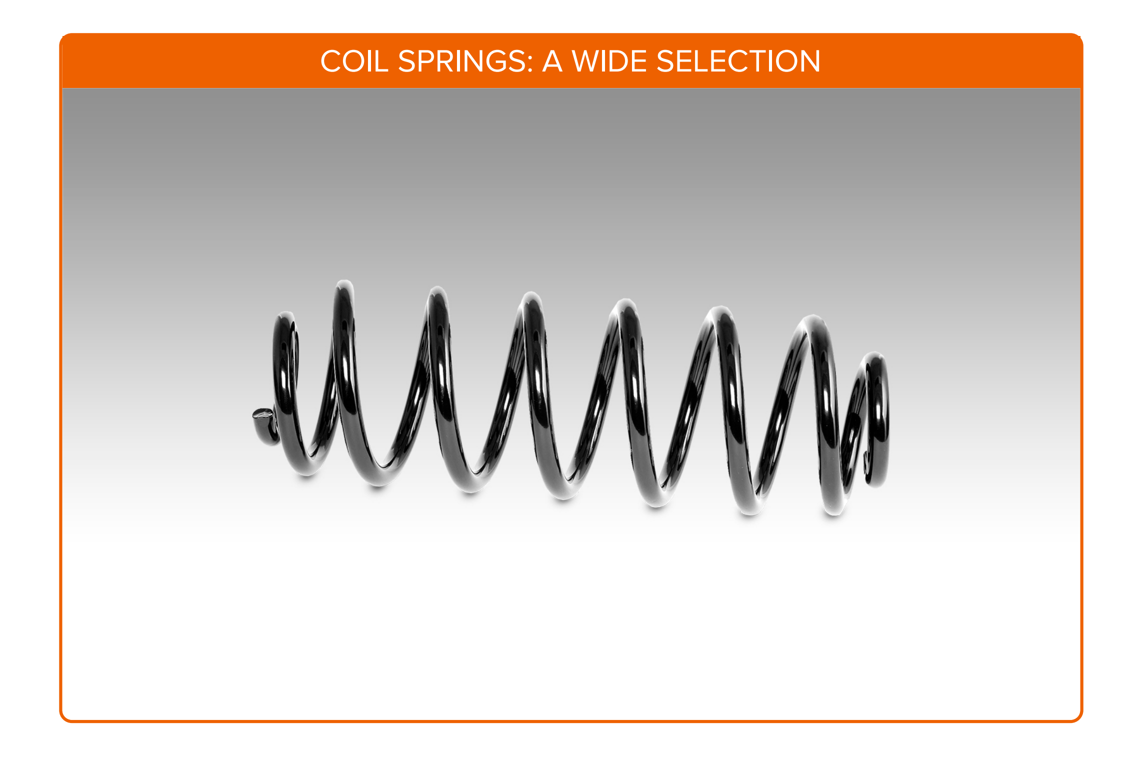
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